

CURRENT FEEDERS FOR ELECTROCHEMICAL CELL STACKS

ABSTRACT OF THE DISCLOSURE

Improved electrochemical cell plates comprise a polymer layer and an electrically conductive structure that passes through the polymer layer, which provides electrical conductivity between adjacent cells in an electrochemical cell stack. Since the cell plates are composed of a polymeric layer, the cell plates can be more easily sealed to cell frame of the fuel cell stack. Additionally, the conductive structures of the cell plates provide low electrical resistance pathways for current flow between the anode of one cell and the cathode of an adjacent cell. Furthermore, in some embodiments of the present disclosure, the conductive structure can also serve to maintain the spacing between adjacent cells.